



CONSTRUCTION EQUIPMENT

19244 VOLVO EC140 31556 - REAR RIGHT FINAL DRIVE



Sample No: VCP412246
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19244



SAMPLE INFORMATION

Sample Number	VCP412246	VCP381103	---	---
Sample Date	23 Jul 2023	24 Feb 2023	---	---
Machine Hours	2129	651	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

HILCO TRANSPORT

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OIL CONDITION

Visc @ 40°C	cSt	139	138	---	---
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CONTAMINATION

Silicon	ppm	4	11	---	---
Sodium	ppm	4	5	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	102	265	---	---
Copper	ppm	0	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	6	15	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	2	6	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	20	39	---	---
Magnesium	ppm	2	3	---	---
Zinc	ppm	27	27	---	---
Phosphorus	ppm	880	375	---	---
Barium	ppm	0	0	---	---
Boron	ppm	135	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: HILGREVC
Unique No: 10587600
Signed: Doug Bogart
Report Date: 06 Aug 2023



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GRAPHS

